



RECEIVED

SEP 30 2003

Technology Center 2100

SHEET 1 OF 2

FORM PTO - 1449

ATTORNEY DOCKET NO.: SNS-009A

SECOND SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT

APPLICANT: Payne

SERIAL NO.: 10/017,703

FILING DATE: 12/14/01

GROUP: 2121

## U.S. PATENT DOCUMENTS

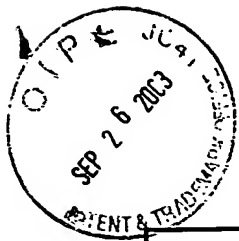
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>ICW</i>	A144	5,237,647	08/17/93	Roberts, et al.	345	419	10/28/91
	A145	5,333,257	07/26/94	Merrill, et al.	345	467	08/09/91
	A146	5,446,834	08/29/95	Deering	345	427	12/06/94
	A147	5,659,493	08/19/97	Kiridena, et al.	703	2	03/03/95
	A148	5,774,130	06/30/98	Horikawa, et al.	345	441	08/31/95
	A149	5,847,956	12/08/98	Bronfeld, et al.	700	98	09/26/96
	A150	5,872,438	02/16/99	Roston	318	568.11	07/01/97
	A151	5,873,106	02/16/99	Joseph	715	506	09/18/95
	A152	5,882,206	06/16/99	Gillio	434	262	03/29/95
	A153	5,898,599	04/27/99	Massie, et al.	345	161	12/23/96
	A154	5,903,886	05/11/99	Heimlich, et al.	706	50	04/29/97
	A155	5,973,678	10/26/99	Stewart, et al.	345	184	08/29/97
	A156	5,988,862	11/23/99	Kacyra, et al.	703	6	04/24/96
	A157	6,111,577	08/29/00	Zilles, et al.	345	701	04/04/96
	A158	6,211,848	04/03/01	Plesniak, et al.	345	156	02/09/99
	A159	6,226,003	05/01/01	Akeley	345	419	08/11/98
	A160	6,308,144	10/23/01	Bronfeld, et al.	703	2	09/26/96
	A161	6,369,834	04/09/02	Zilles, et al.	345	701	06/02/99
	A162	6,417,638	07/09/02	Guy, et al.	318	560	07/16/99
	A163	6,421,048	07/16/02	Shih, et al.	345	419	06/28/99
	A164	6,552,722	04/22/03	Shih, et al.	345	19	07/06/99
	A165	20020075283	06/20/02	Payne	345	643	12/14/01
	A166	20020089500	07/11/02	Jennings, et al.	345	420	12/14/01
<i>ICW</i>	A167	20020158842	10/31/02	Guy, et al.	345	156	05/13/02

EXAMINER

*Combustion Engines*

DATE CONSIDERED

5-3-04



RECEIVED

SEP 30 2003

Technology Center 2100

SHEET 2 OF 2

FORM PTO - 1449

SECOND SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: SNS-009A

APPLICANTS: Payne

SERIAL NO.: 10/017,703

FILING DATE: 12/14/01

GROUP: 2121

## U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A168	20030128208	07/10/03	Shih, et al.	345	419	02/26/03

## FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)

## OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
<i>Kn</i>	C67	"Revival of the Virtual Lathe," University of Michigan Virtual Reality Laboratory, <a href="http://www-vrl.umich.edu/sel_prj/lathe/">http://www-vrl.umich.edu/sel_prj/lathe/</a> , (December 20, 2002).							
<i>Kn</i>	C68	Fuentes et al., "The Virtual Tool Approach to Dextrous Telemanipulation," Proceedings of the 1996 IEEE International Conference on Robotics and Automation (Minneapolis, MN), pp. 1700-1705 (April 1996).							

2683609

EXAMINER

*Kimberly Agnew*

DATE CONSIDERED

5-3-04

FORM PTO - 1449

THIRD SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: SNS-009A

APPLICANT: Payne

SERIAL NO.: 10/017,703

FILING DATE: May 18, 2000

GROUP: 2671

## U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>KW</i>	A169	5,903,270	05/11/1999	Gentry et al.			
	A170	5,963,212	10/05/1999	Bakalash			
	A171	5,973,678	10/26/1999	Stewart			
	A172	6,064,394	05/16/2000	Morrison			
	A173	6,384,822 B1	05/07/2002	Bilodeau et al.	345	422	10/13/99
	A174	6,608,631	08/19/2003	Milliron			
<i>KW</i>	A175	2003/0117411	06/26/2003	Fujiwara et al.			

## FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)

## OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
<i>KW</i>	C69	"3-D Animation Workshop," printed 7/29/03, <a href="http://webreference.com/3d/">http://webreference.com/3d/</a> , Lessons 39, 64-68, and 72; 79 pgs.							
	C70	Alejandro, "What is a Tessellation?" <u>The Math Forum</u> , Drexel University, printed 07/29/03, <a href="http://mathforum.org/sum95/suzanne/whattess.html">http://mathforum.org/sum95/suzanne/whattess.html</a> , 4 pgs.							
	C71	Altmann, "About Nonuniform Rational B-Splines - NURBS," Worcester Polytechnic Institute, printed 7/29/03, <a href="http://www.cs.wpi.edu/~matt/courses/cs563/talks/nurbs.html">http://www.cs.wpi.edu/~matt/courses/cs563/talks/nurbs.html</a> , 6 pgs							
	C72	Arraich, "Quick Mask," <a href="http://www.arraich.com/ref/aatool_quick_mask6.htm">http://www.arraich.com/ref/aatool_quick_mask6.htm</a> , 3 pgs.							
	C73	Bentley, "Rendering Cubic Bezier Patches," Worcester Polytechnic Institute, printed 11/17/03, <a href="http://www.cs.wpi.edu/~matt/courses/cs563/talks/surface/bez_surf.html">http://www.cs.wpi.edu/~matt/courses/cs563/talks/surface/bez_surf.html</a> , 10 pgs.							
	C74	Birn, "Tutorial: NURBS Head Modeling," printed 07/29/03, <a href="http://www.3drender.com/jbirn/ea/HeadModel.html">http://www.3drender.com/jbirn/ea/HeadModel.html</a> , 5 pgs.							
	C75	"Curves," <u>Avid Technology</u> , printed 11/06/03, <a href="http://www.iro.umontreal.ca/~roys/softimage/html/model/curves.html">http://www.iro.umontreal.ca/~roys/softimage/html/model/curves.html</a> , chapter 10, 10 pgs.							
	C76	Farin, "NURBS," printed 11/17/03, <a href="http://www.eros.cagd.eas.asu.edu/~farin/rbook/toc.html">www.eros.cagd.eas.asu.edu/~farin/rbook/toc.html</a> , 2 pgs.							
	C77	Feldman, "Texture Mapping," <a href="http://www.geocities.com/SiliconValley/2151/tmap.html">http://www.geocities.com/SiliconValley/2151/tmap.html</a> (22pgs.)							
<i>KW</i>	C78	Fisher et al., "Pixel Values," <a href="http://www.dai.ed.ac.uk/HIPR2/value.htm">http://www.dai.ed.ac.uk/HIPR2/value.htm</a> (1 pg.)							

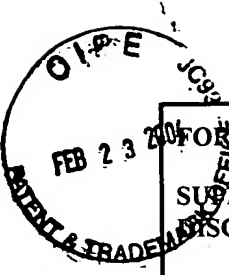
EXAMINER

*Kristina Nguyen*

DATE CONSIDERED

5-3-04

3008621



FORM PTO - 1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTORNEY DOCKET NO.: SNS-009A  APPLICANT: Payne  SERIAL NO.: 10/017,703  FILING DATE: May 18, 2000  GROUP: 2671
---	---

RECEIVED

MAR 01 2004

OTHER ART, JOURNAL ARTICLES, ETC.

Technology Center 2600

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)
	C79 Foskey et al, "ArtNova: Touch-Enabled 3D Model Design," Proceedings of IEEE Virtual Reality 2002, March 24-28, 2002, Orlando, Florida pgs. 119-126.
	C80 "Fundamentals of NURBS Modeling," Avid Technology, printed 11/06/03, <a href="http://www.iro.umontreal.ca/~roys/softimage/html/model/nurbs_basics.html">http://www.iro.umontreal.ca/~roys/softimage/html/model/nurbs_basics.html</a> , chapter 9, 7 pgs.
	C81 Gu et al., "Global Conformal Surface Parameterization," Eurographics Symposium on Geometry Processing (2003), 12 pgs.
	C82 "How to use Postscript Art as a Stencil in Photoshop," Swanson Tech Support, Photoshop Techniques 004, 4 pgs.
	C83 Komerska et al., "Haptic Interface for Center-of-Workspace Interaction: Demonstration Paper," Haptics Interfaces for Virtual Environments and Teleoperator Systems (2002), pp. 352-353.
	C84 Komerska et al., "Haptic Task Constraints for 3D Interactions," Proceedings, IEEE Haptics Interfaces for Virtual Environments and Teleoperator Systems, (March 22-23, 2003), pp. 270-277.
	C85 Lenzmeier, "Color Depth and Color Spaces," <a href="http://www.csbsju.edu/itservices/teaching/c_space/colors.htm">http://www.csbsju.edu/itservices/teaching/c_space/colors.htm</a> (3 pgs.).
	C86 "Lesson 12: Blur, Sharpen & Smudge," <a href="http://iit.bloomu.edu/vthc/Photoshop/enhancing/blurring.htm">http://iit.bloomu.edu/vthc/Photoshop/enhancing/blurring.htm</a> , 3 pgs.
	C87 "Lesson 14: Selection Tools," <a href="http://iit.bloomu.edu/vthc/Photoshop/BLENDING/selectiontools.htm">http://iit.bloomu.edu/vthc/Photoshop/BLENDING/selectiontools.htm</a> , 7 pgs.
	C88 "Lesson 18: Opacity," <a href="http://iit.bloomu.edu/vthc/Photoshop/SpecialEffects/opacity.htm">http://iit.bloomu.edu/vthc/Photoshop/SpecialEffects/opacity.htm</a> , 2 pgs.
	C89 "Lesson 22: Vector Shapes," <a href="http://iit.bloomu.edu/vthc/Photoshop/DRAWING/vectorshapes.htm">http://iit.bloomu.edu/vthc/Photoshop/DRAWING/vectorshapes.htm</a> (5 pgs.).
	C90 "Lesson 23: Gradients," <a href="http://iit.bloomu.edu/vthc/Photoshop/DRAWING/gradients.htm">http://iit.bloomu.edu/vthc/Photoshop/DRAWING/gradients.htm</a> (7 pgs.).
	C91 "Lesson 19: Color Selection," <a href="http://iit.bloomu.edu/vthc/Photoshop/DRAWING/colorpicker.htm">http://iit.bloomu.edu/vthc/Photoshop/DRAWING/colorpicker.htm</a> (4 pgs.).
	C92 "Lesson 4: Layers," <a href="http://iit.bloomu.edu/vthc/Photoshop/Basics/layers.htm">http://iit.bloomu.edu/vthc/Photoshop/Basics/layers.htm</a> (2 pgs.).
	C93 "Lesson 7: Color Balance," <a href="http://iit.bloomu.edu/vthc/Photoshop/enhancing/colorbalance.htm">http://iit.bloomu.edu/vthc/Photoshop/enhancing/colorbalance.htm</a> (3 pgs.).
	C94 "Lesson 8: Brightness & Contrast," <a href="http://iit.bloomu.edu/vthc/Photoshop/enhancing/brightness&amp;contrast.htm">http://iit.bloomu.edu/vthc/Photoshop/enhancing/brightness&amp;contrast.htm</a> (2 pgs.).
	C95 Miller et al., "The Design of 3D Haptic Widgets," Proceedings of the 1999 Symposium on Interactive 3D Graphics Conference Proceedings, (1999) pp. 1-6.
	C96 Nagel, "A Closer Look: Photoshop's New Paint Engine, Page 2 of 3," March 07, 2002, <a href="http://www.creativemac.com/2002/03_mar/features/ps7dynamics1.htm">http://www.creativemac.com/2002/03_mar/features/ps7dynamics1.htm</a> (6 pgs.).
	C97 Nagel, "A Closer Look: Photoshop's New Paint Engine, Page 3 of 3" March 07, 2002, <a href="http://www.creativemac.com/2002/03_mar/features/ps7dynamics1.htm">http://www.creativemac.com/2002/03_mar/features/ps7dynamics1.htm</a> (5 pgs.).

EXAMINER

Kambhampati Nagaraj

DATE CONSIDERED

Not considered

FORM PTO - 1449

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT

ATTORNEY DOCKET NO.: SNS-009A

APPLICANT: Payne

SERIAL NO.: 10/017,703

FILING DATE: May 18, 2000

GROUP: 2671

## OTHER ART, JOURNAL ARTICLES, ETC.

EXAM.  
INIT.

OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)

RECEIVED

MAR 11 2004

Technology Center 2600

C98	Nagel, "A Closer Look: Photoshop's New Paint Engine," March 07, 2002, <a href="http://www.creativemac.com/2002/03_mar/features/ps7dynamics1.htm">http://www.creativemac.com/2002/03_mar/features/ps7dynamics1.htm</a> (5 pgs.).
C99	O'Rourke, "Comp.Graphics.Algorithms Frequently Asked Questions, Section 5. 3D Computations," <a href="http://www.exaflop.org/docs/cgafaq/cga5.html">http://www.exaflop.org/docs/cgafaq/cga5.html</a> (13 pgs.).
C100	"Points, Nets, Patches..." printed 11/17/03, <a href="http://www.people.nnov.ru/fractal/splines/nets.htm">http://www.people.nnov.ru/fractal/splines/nets.htm</a> , 2 pgs.
C101	Porter et al., "Compositing Digital Images," Computer Graphics, Vol. 18, Number 3, July 1984, pgs 253-259.
C102	"Powerful Photoshop Layers: Layer Effects Settings," <a href="http://www.webreference.com/graphics/column32/5.html">http://www.webreference.com/graphics/column32/5.html</a> (5 pgs.).
C103	"Raindrop Geomagic, Inc. product description for "Geomagic Shape," 10/3/03 printout, <a href="http://www.geomagic.com/products/shape">http://www.geomagic.com/products/shape</a> , 2 pgs.
C104	"Raindrop Geomagic, Inc. product description for "Geomagic Shape," 11/26/2003 printout, <a href="http://www.geomagic.com/products/shape">http://www.geomagic.com/products/shape</a> , 2 pgs.
C105	"Raindrop Geomagic, Inc. product description for "Geomagic Studio," <a href="http://www.macdac.com/raindrop/studio.htm">http://www.macdac.com/raindrop/studio.htm</a> (4 pgs.).
C106	Rea, "Digital Photography and Electronic Imaging Glossary," Version 7.5.2 (August 2000), 40 pgs.
C107	Rogers, "An Introduction to NURBS," Morgan Kaufmann Publishers, (2000), pp.1-4.
C108	"Sensable Technologies, "Feature Overview," 11/25/03 printout, <a href="http://www.sensable.com/products/3ddesign/freeform/overview.asp">http://www.sensable.com/products/3ddesign/freeform/overview.asp</a> , 5 pgs.
C109	"Sensable Technologies, "Feature Overview: Emboss with Wrapped Image," 11/25/03 printout, <a href="http://www.sensable.com/products/3ddesign/freeform/emboss_with_wrap.asp">http://www.sensable.com/products/3ddesign/freeform/emboss_with_wrap.asp</a> , 1 pg.
C110	"Sensable Technologies, "Free Form Concept System," 01/20/04 printout, <a href="http://www.sensable.com/products/3ddesign/concept/index.asp">http://www.sensable.com/products/3ddesign/concept/index.asp</a> , 2 pgs.
C111	Sharman, "The Marching Cubes Algorithm," <a href="http://www.exaflop.org/docs/marchcubes/ind.html">http://www.exaflop.org/docs/marchcubes/ind.html</a> (6 pgs.).
C112	Sorkine, et. al, "Bounded-distortion Piecewise Mesh Parameterization," Proceedings of the Conference on Visualization 2002, Boston, Massachusetts, pgs. 355-362.
C113	"Surfaces," Avid Technology, printed 11/06/03, <a href="http://www.iro.umontreal.ca/~roys/softimage/html/model/surfs.html">http://www.iro.umontreal.ca/~roys/softimage/html/model/surfs.html</a> , chapter 11, 22 pgs.
C114	"Tensor Product Spline Surfaces," printed 11/17/03, <a href="http://www.ibiblio.org/e-notes/Splines/Inter.htm">http://www.ibiblio.org/e-notes/Splines/Inter.htm</a> , 3 pgs.
C115	"Touch-Enabled 3D Model Design," Department of Computer Science, University of North Carolina at Chapel Hill (February 2002 ), 2pgs.
C116	Weisstein, "Conformal Mapping," Wolfram Research, printed 11/11/03, <a href="http://mathworld.wolfram.com/ConformalMapping.html">http://mathworld.wolfram.com/ConformalMapping.html</a> , 7 pgs.

EXAMINER

*Kimberly A. Gruen*

DATE CONSIDERED

*Not considered*

3008621